

DNA Extraction from Strawberries



You need:

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| 1 strawberry | 1 plastic bag with zipper |
| 90 ml of water | 1 measuring beaker |
| 10 ml of soap | 1 plastic beaker |
| $\frac{1}{4}$ table spoon of salt | 1 sieve |
| 5 ml of alcohol | 1 tooth pick |

Recepe:

1. In pairs: mix 90 ml of water, 10 ml of soap and $\frac{1}{4}$ table spoon of salt in the measuring beaker.
2. On your own: Put the strawberry and half of the mixture of step 1 into the plastic bag with zipper.
3. Close the plastic bag. Make sure there is as few air as possible in the bag and that the bag is properly closed.
4. Smash the strawberry in the plastic bag until there are no more big pieces left.
5. Carefully pour the soap-water-strawberry mixture from the plastic bag through the sieve into the plastic beaker. There should not fall any pieces into the beaker. You can use the table spoon to squeeze as much liquid as possible through the sieve.
6. If you arrived at this point, you can go to the teachers' desk and get 5 ml of alcohol. Caution: the alcohol has to be cold!
7. Pour the alcohol into the liquid in the plastic beaker.
8. After waiting 1-2 minutes you will see, how a white slime starts to form at the surface: this is the DNA of the strawberry! You can try to fish it out with a tooth pick.

